

CLAIMS

1) Promoter, characterized in that it consists of a nucleic acid fragment comprising at least one specific functional domain of the promoter of the *TaTrxh2* gene.

2) Promoter according to Claim 1, characterized in that said nucleic acid fragment is chosen from the group consisting of:

- the nucleic acid fragment, the sequence of which extends from position -1 to position -1111 relative to the ATG codon of the *TaTrxh2* gene;

- the nucleic acid fragment, the sequence of which extends from position -1 to position -83 relative to the ATG codon of the *TaTrxh2* gene;

- the nucleic acid fragment, the sequence of which extends from position -451 to position -591 relative to the ATG codon of the *TaTrxh2* gene;

- the nucleic acid fragment, the sequence of which extends from position -591 to position -1111 relative to the ATG codon of the *TaTrxh2* gene;

- the nucleic acid fragment, the sequence of which extends from position -228 to position -451 relative to the ATG codon of the *TaTrxh2* gene;

- the nucleic acid fragment, the sequence of which extends from position -451 to position -591 relative to the ATG codon of the *TaTrxh2* gene;

- the nucleic acid fragment, the sequence of which extends from position -83 to position -228 relative to the ATG codon of the *TaTrxh2* gene;

- the nucleic acid fragment, the sequence of which is that of the first intron of the *TaTrxh2* gene.

3) Expression cassette, characterized in that it comprises a promoter according to either of Claims 1 and 2.

4) Recombinant vector, characterized in that it comprises at least one promoter according to either of Claims 1 and 2.

5) Plant cell transformed with at least one promoter according to either of Claims 1 and 2.

6) Transgenic plant transformed with at least one promoter according to either of Claims 1 and 2.

7) Transgenic plant according to Claim 6, characterized in that it is a monocotyledon.

8) Use of a promoter according to either of Claims 1 and 2, for controlling the expression of a gene of interest in a plant cell.